

## CLAIM AMENDMENTS

1. (Currently Amended) In a controller device, a method for establishing a connection between ~~selecting and controlling~~ devices in a network, said method comprising:

identifying ~~selecting~~ a first device selected from a first listing of devices, wherein said first device is a sink device for receiving input from another device;

selecting an input plug for said first device from a listing of input plugs for said first device, said listing of input plugs derived from state information read from said first device and not written to memory in said controller device;

identifying ~~selecting~~ a second device selected from a second listing of devices, wherein said second device is a source device for providing input to another device; ~~and~~

selecting an output plug for said second device from a listing of output plugs for said second device, said listing of output plugs derived from state information read from said second device and not written to memory in said controller device; and

establishing a connection between said first device and said second device using said input plug and said output plug.

~~wherein said listing of input plugs and said listing of output plugs are generated using information read from said first device and said second device, respectively.~~

2. (Original) The method of Claim 1 wherein said network is substantially compliant with the IEEE 1394 communication bus standard.

3. (Canceled).

4. (Original) The method of Claim 1 wherein said first listing and said second listing are the same.

5. (Original) The method of Claim 1 wherein said first listing comprises sink devices and said second listing comprises source devices.

6. (Canceled).

7. (Currently Amended) The method of Claim 1 wherein input provided to said first device is output by said second device using only said output plug.

8. (Original) The method of Claim 1 comprising:  
querying said first device and said second device; and  
reading information provided in response to said querying, wherein said information is used for generating said listing of input plugs and said listing of output plugs.

9. (Original) The method of Claim 1 comprising:  
executing programmed instructions to automatically select said first device, said input plug, said second device and said output plug.

10. (Original) The method of Claim 1 comprising:  
recording selections of said first device, said input plug, said second device and said output plug.

11. (Original) The method of Claim 1 comprising:

selecting a channel from a listing of active channels, wherein said listing of active channels identifies network connections between devices in said network.

12. (Currently Amended) A controller device for establishing a connection between ~~selecting and controlling~~ devices in a network, said controller device comprising:

a user interface comprising an input-select element and an output-select element;

wherein said input-select element is operable to cause a first device to be selected from a first listing of devices and to cause an input plug for said first device to be selected from a listing of input plugs for said first device, wherein said first device is a sink device for receiving input from another device and wherein said listing of input plugs is derived from state information read from said first device but not written to memory in said controller device;

wherein said output-select element is operable to cause a second device to be selected from a second listing of devices and to cause an output plug for said second device to be selected from a listing of output plugs for said second device, wherein said second device is a source device for providing input to another device and wherein said listing of output plugs is derived from state information read from said second device but not written to memory in said controller device; and

wherein in response to selection of said input plug and selection of said output plug a connection is made between said first device and said second device via said input plug and said output plug. ~~said listing of input plugs and said~~

~~listing of output plugs are generated using information read from said first device and said second device, respectively.~~

13. (Original) The controller device of Claim 12 wherein said network is substantially compliant with the IEEE 1394 communication bus standard.

14. (Canceled).

15. (Original) The controller device of Claim 12 wherein said first listing and said second listing are the same.

16. (Original) The controller device of Claim 12 wherein said first listing comprises sink devices and said second listing comprises source devices.

17. (Canceled).

18. (Currently Amended) The controller device of Claim 12 [[17]] wherein input provided to said first device is output by said second device using only said output plug.

19. (Original) The controller device of Claim 12 wherein a selection of said first device, said input plug, said second device and said output plug is performed automatically according to programmed instructions.

20. (Original) The controller device of Claim 12 wherein said controller device is operable to record selections of said first device, said input plug, said second device and said output plug.

21. (Original) The controller device of Claim 12 wherein said input-select element is operable to cause a channel to be selected from a listing of active channels, wherein said listing of active channels identifies network connections between devices in said network.

22. (Currently Amended) A controller device for establishing a connection between ~~selecting and controlling~~ devices in a network, said controller device comprising:

means for identifying ~~selecting~~ a first device selected from a first listing of devices, wherein said first device is a sink device for receiving input from another device;

means for selecting an input plug for said first device from a listing of input plugs for said first device, said listing of input plugs derived from state information read from said first device and not written to memory in said controller device;

means for identifying ~~selecting~~ a second device selected from a second listing of devices, wherein said second device is a source device for providing input to another device; ~~and~~

means for selecting an output plug for said second device from a listing of output plugs for said second device, said listing of output plugs derived from state information read from said second device and not written to memory in said controller device; and

means for establishing a connection between said first device and said second device using said input plug and said output plug.

~~wherein said listing of input plugs and said listing of output plugs are generated using information read from said first device and said second device, respectively.~~

23. (Original) The controller device of Claim 22 wherein said network is substantially compliant with the IEEE 1394 communication bus standard.

24. (Canceled).

25. (Canceled).

26. (Currently Amended) The controller device of Claim 22 [[25]] wherein input provided to said first device is output by said second device using only said output plug.

27. (Original) The controller device of Claim 22 comprising:  
means for querying said first device and said second device; and  
means for reading information provided in response to said querying,  
wherein said information is used for generating said listing of input plugs and said listing of output plugs.

28. (Original) The controller device of Claim 22 comprising:  
means for executing programmed instructions to automatically select said first device, said input plug, said second device and said output plug.

29. (Original) The controller device of Claim 22 comprising:  
means for recording selections of said first device, said input plug, said  
second device and said output plug.

30. (Original) The controller device of Claim 22 comprising:  
means for selecting a channel from a listing of active channels, wherein  
said listing of active channels identifies network connections between devices in  
said network.